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3 ABSTRACT:

4 Permits retrofit trash and linen chute inlet door replacement without destruction of
5 existing B-Label wall/door frame assemblies and introduces advancements never before seen
6 in the chute industry: Compliance to updated U.L.® Standards for B-Label doors, smoke
7 suppression, and air tightness. The invention serves as the basis for a new U.L.® standard for
8 certified retrofit installation of inlets. The inlet provides applicable ADA compliance. The
9 latter results from several design features including a choice of four-access control /
10 operating systems: mechanical, electronic, electro-pneumatic, and fully pneumatic. Each
11 control system defaults a to the “Fail-Safe/Door-Closed” position in the event of component
12 failure, thereby insuring the continued operation of the U.L.® / Life Safety features. Previous
13 art fails in a “door open” position, destroying life safety functionality. Fail-Safe default is
14 the basis of a proposed new NFPA-82 requirement.